ABSTRACT

A MIM (metal-insulator-metal) capacitor is provided with a substrate; a first metal area; a second metal area formed between the substrate and the first metal area; and a first insulating layer formed between the first metal area and the second metal area; wherein a capacitance value is determined by opposing surface areas of the first metal area and the second metal area; and the MIM capacitor is further provided with: a third metal area formed between the second metal area and the substrate; and a second insulating layer formed between the third metal area and the second metal area; wherein the third metal area is connected to a ground potential.